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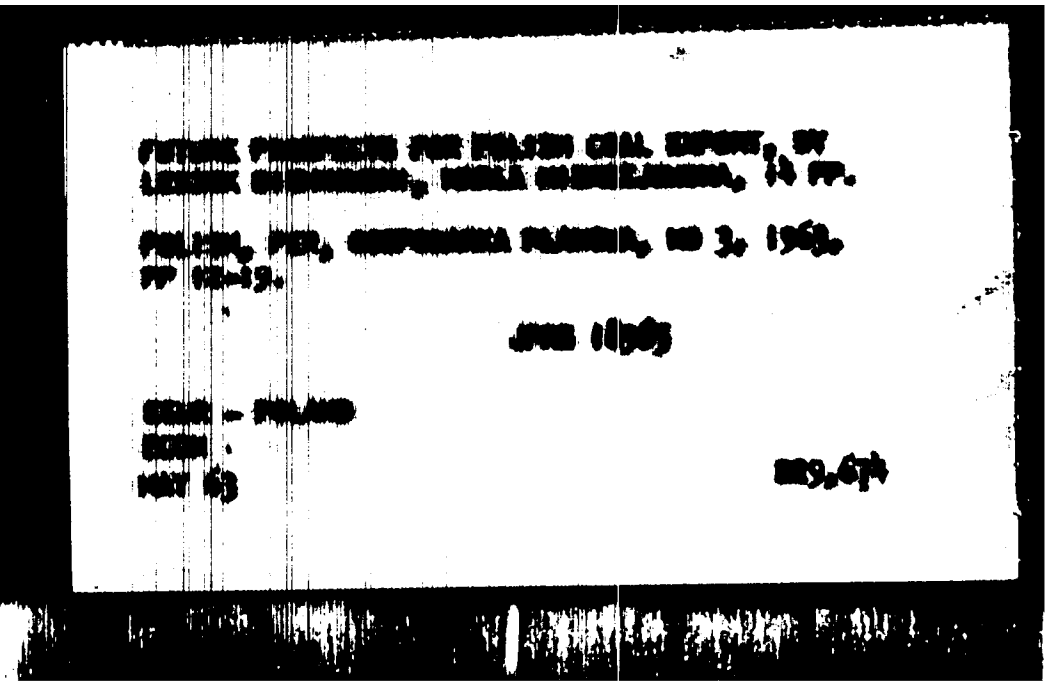

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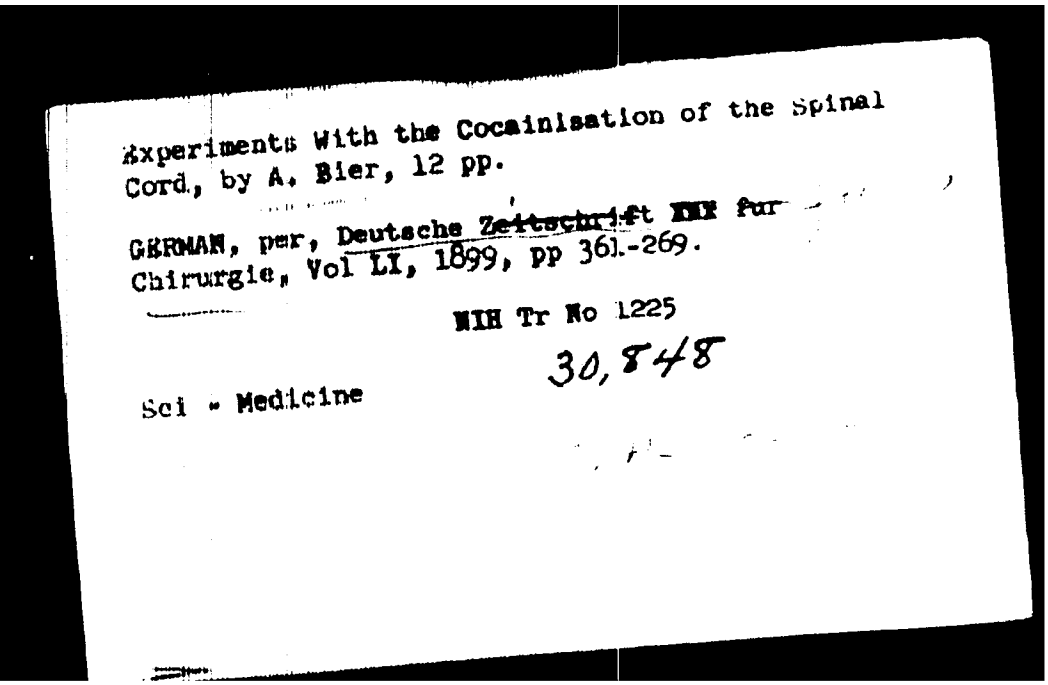

Experiments With the Cocainisation of the Spinal Cord, by A. Bier, 12 pp.

GERMAN, per, Deutsche Zeitschrift für Chirurgie, Vol LI, 1899, pp 361.-269.

NIH Tr No 1225

30,848

Sci - Medicine

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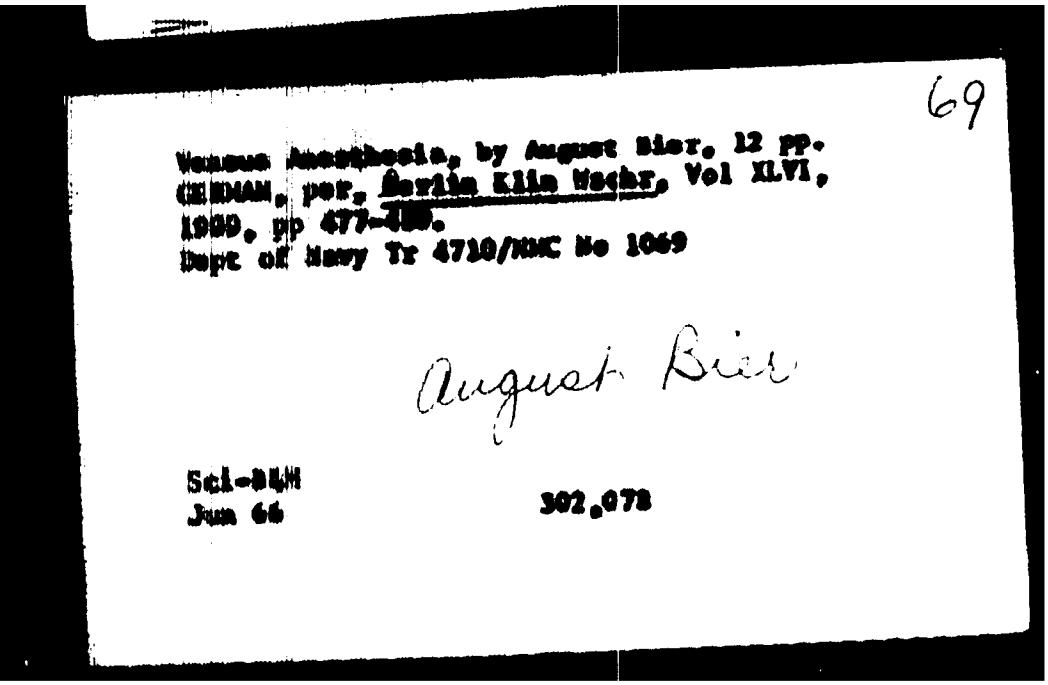

69

Venous Anesthesia, by August Bier. 12 pp.
GERMAN, per. Berlin Klin Wschr, Vol XLVI,
1909, pp 477-480.
Dept of Navy Tr 4710/NMC No 1069

August Bier

Sci-NLM
Jun 66

302.078

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

A New Way to Local Anesthesia in the Extremities, by August Bier, 8 Pl.

GERMAN, per, Deutsche Gesellschaft fuer Chirurgie Verhandlungen, Vol XXXVII, Part 2, 1908, pp 204-213.

NIH 5-57-64 (loan)
SLA 77-64-1942

Sci - Biol & Med
Jun 64

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

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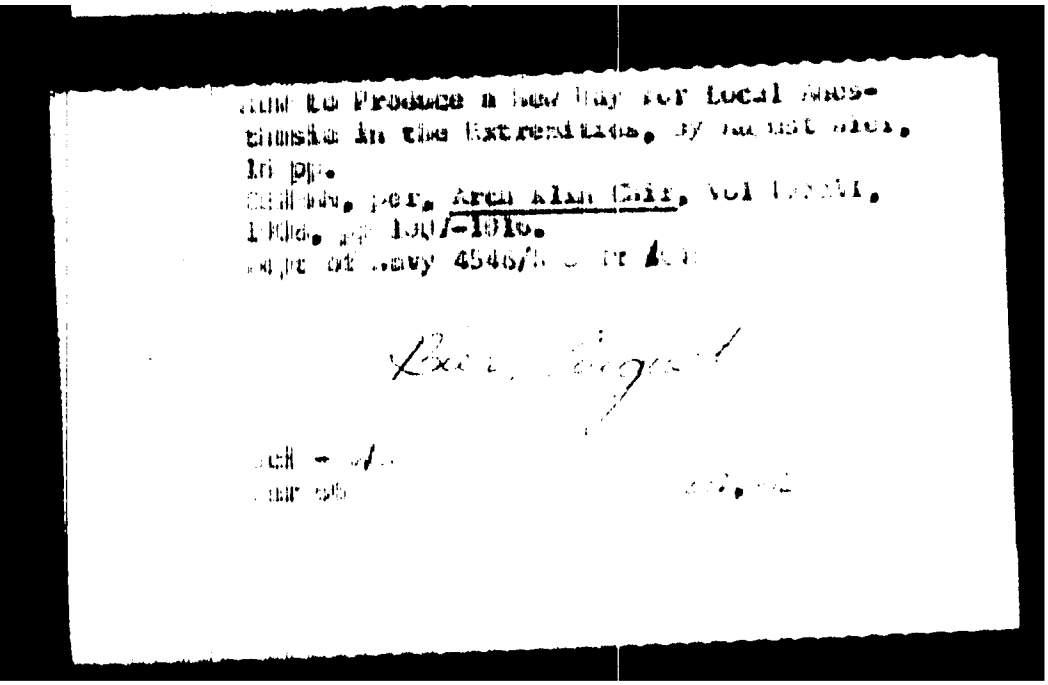

...um to Produce a New Day for Local Mus-
...tinsks in the Extremities, by Marat Mes.
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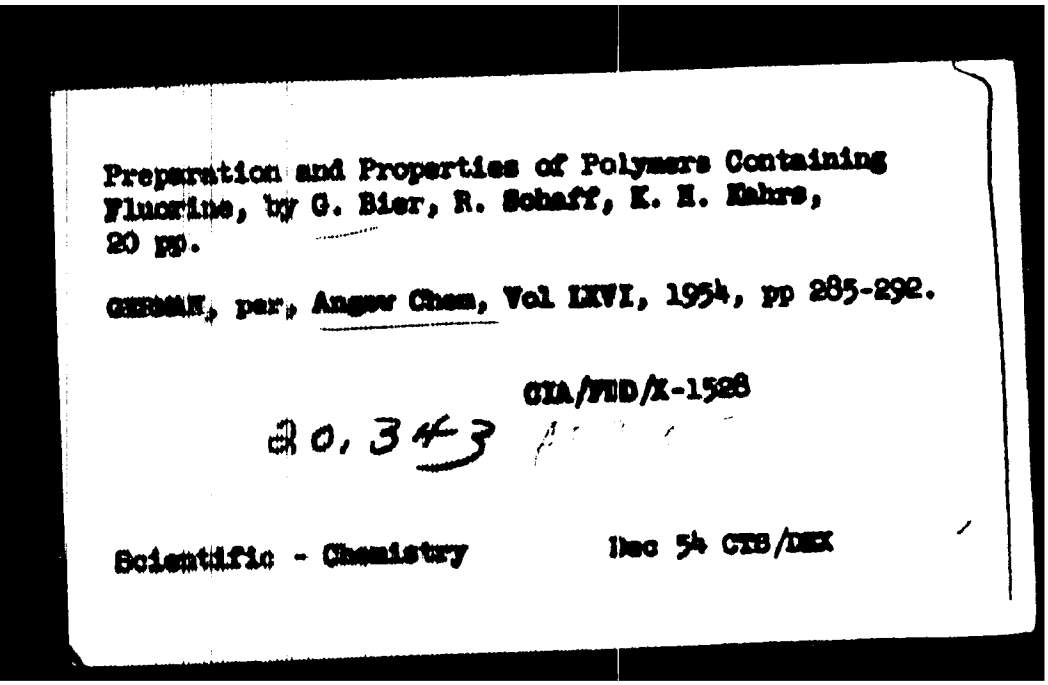

Preparation and Properties of Polymers Containing Fluorine, by G. Bier, R. Schaff, K. H. Kahre, 20 pp.

GERMAN, per, Angew Chem, Vol LXVI, 1954, pp 285-292.

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Scientific - Chemistry Dec 54 CIS/DEK

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Bier, G.
HIGHMOLECULAR OLEFIN-MIXED-POLYMERISATES PRODUCED WITH EMPLOYMENT OF ZIEGLER-MIXED CATALYSTS. [1961] 36p. 32 refs.
Order from SLA $3.60 61-18648

Trans. of Angew[andte] Chem[ie] (West Germany) 1961, v. 73, no. 6, p. 186-197.

DESCRIPTORS: *Ethylenes, *Propenes, Polymerization, Catalysts, *Polymers, Molecular weight.

(Chemistry-Organic, PT, v. 6, no. 9)

61-18648

1. Title: Ziegler catalysts
I. Bier, G.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

Bier, G., Lehmann, G., and Leugering, H. J.
BLOCK POLYMERS FROM ETHYLENE AND PROPYLENE. [1962] [10]p. 14 refs.
Order from SLA $1.10 62-18931

Trans. of Makromolekulare Chemie (Switzerland) 1961, v. 44/46, p. 347-357.
Another trans. is available from ATS $9.75 as ATS-37853G [1961] 9p.

DESCRIPTORS: *Block polymers, Synthesis, *Ethylenes, *Propenes, Physical properties, *Ziegler catalysts, Metalorganic compounds.

According to the method employed by K. Ziegler for the preparation of block polymers from ethylene and propylene utilizing metalorganic mixed catalysts it can be expected that the lifetime of the active ends of the chains is relatively short. Some properties of such polymers are investigated regarding the dependence upon the ratio of the parts, i.e., the length of the blocks, the number of periods and the degree of crystallinity. (Author)

62-18931

I. Bier, G.
II. Lehmann, G.
III. Leugering, H. J.

(Chemistry Division, Vol. 3, No. 10, no. 10)
Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

63-18306

Bier, G. and Krämer, H.
CONTRIBUTION TO THE STRUCTURE OF POLYVINYL CHLORIDE. [1963] [19]p. 4 refs.
Order from SLA $1.60 63-18306

Trans. of Makromolekulare Chemie (Switzerland) 1956, v. 18/19, p. 151-165.

DESCRIPTORS: *Polyvinyl chloride, *Molecular structure, Colloids, Viscosity, Molecular weight, Reaction kinetics

Polyvinyl chloride was prepared by the process of emulsion polymerization under various conditions. Polymers in which more extensive branching was anticipated due to the method of preparation, were characterized by the relation, $Z_\eta = K_m \cdot M^a$, $a < 1$. Polymers in which less branching was anticipated exhibited a linear relation between Z_η and M. Fractions of the more extensively branched substance exhibited a higher viscosity than (Materials--Plastics, TT, v. 10, no. 11) (over)

I. Bier, G.
II. Krämer, H.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

Bier, G. and Krämer, H.
POLYMERIZATION OF VINYL CHLORIDE AND STRUCTURE OF POLYVINYL CHLORIDE. [1963] 9p. (tables figs. omitted) 20 refs.
Order from SLA $1.10 63-14170

Partial trans. (p. 498-501, 503-505 (excerpts)) of Kunststoffe (West Germany) 1956, v. 46, no. 11, p. 498-505.
A trans. of section on Evaluation (p. 504-505) is available from SLA $1.10 as 63-14176 [1963] 3p.

DESCRIPTORS: *Polyvinyl chloride, Molecular structure, *Vinyl chlorides, Polymerization, Vinyl radicals, Acetates, Osmotic pressure, Titration, *Polyethylene plastics, *Heat-resistant plastics.

Contents:
End groups
End groups proceeding from additives
(Materials--Plastics, TT, v. 10, no. 4) (over)

63-14170

1. Bier, G.
II. Krämer, H.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

63-14417

Bier, G., Gumboldt, A., and Schleitzer, G.
THE ACTION OF VARIOUS ZIEGLER CATALYSTS IN THE POLYMERIZATION OF α-OLEFINS AND PROPERTIES OF THE POLYMERS. [1963] [19]p.
19 refs.
Order from SLA $1.60 63-14417

I. Bier, G.
II. Gumboldt, A.
III. Schleitzer, G.

Trans. of Makromolekulare Chemie (Switzerland) 1962, v. 58, Dec. p. 43-64.

DESCRIPTORS: *Ziegler catalysts, *Metalorganic compounds, *Aluminum compounds, *Titanium compounds, *Vanadium compounds, *Polyethylene plastics, Ethylenes, Propenes, Polymerization, Copolymerization, *Block polymers.

Ziegler type catalysts such as $TiCl_3$ + AlR_2Cl (a) and VCl_4 + AlR_2Cl (b) show very different behaviour in the polymerization and copolymerization of α-olefins. (a) has a long lifetime with relatively long growing
(Materials--Plastics, TT, v. 10, no. 4) (over)

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

On the Structure Of Polyvinyl Chloride, by G. Bier and H. Kramer.

GERMAN, pub, Makromolekulare Chemie, No 4/19, 1956, pp 151-165.

CSIRO

Oct. 52

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

Bier, G., Lehmann, G., and Leugering, H. J.
BLOCK POLYMERS FROM ETHYLENE AND PROPYLENE. [1961] 9p.
Order from ATS $9.75 ATS-37N530

Trans. of Makromol[ekulare] Chem[ie] (Switzerland) 1961, v. 46/46, p. 347-357.

DESCRIPTORS: *Polymers, Preparation, Ethylenes, Propenes.

(Chemistry--Organic, TT, v. 7, n. 2)

61-25374

1. Title: Block polymers
I. Bier, G.
II. Lehmann, G.
III. Leugering, H. J.
IV. ATS-37N530
V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

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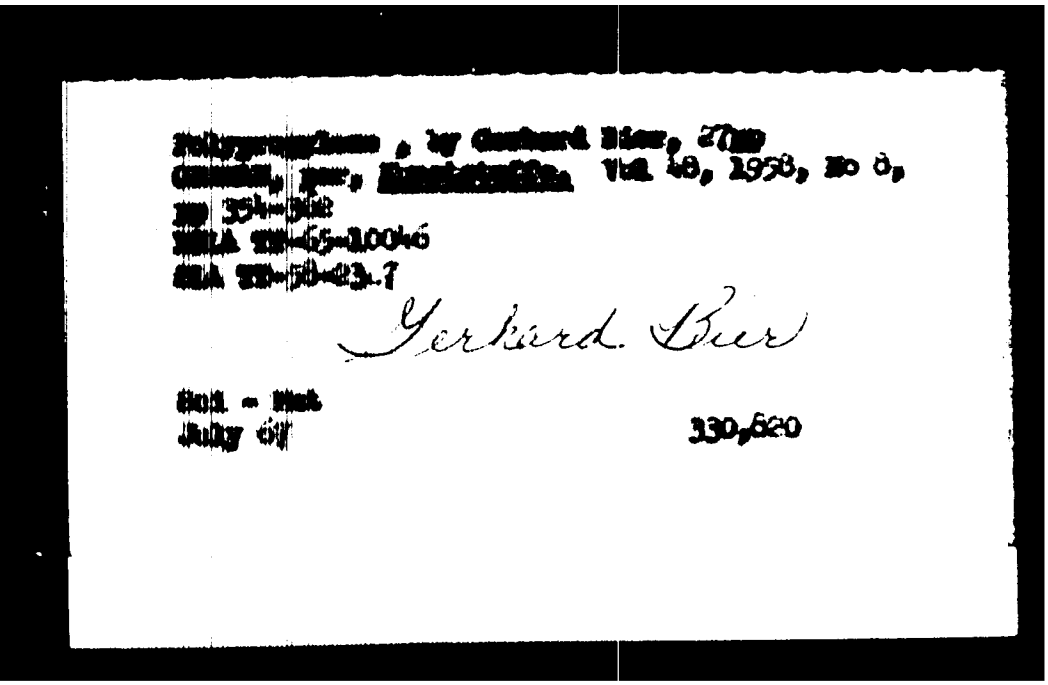

[redacted], by Gerhard Bier, [redacted]
[redacted], Jr., [redacted] Vol. 48, 1958, No 6,
[redacted] 354-362
[redacted] 25-65-10046
[redacted] 25-58-43.7

Gerhard Bier

[redacted] - Mak
July 61

330,620

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

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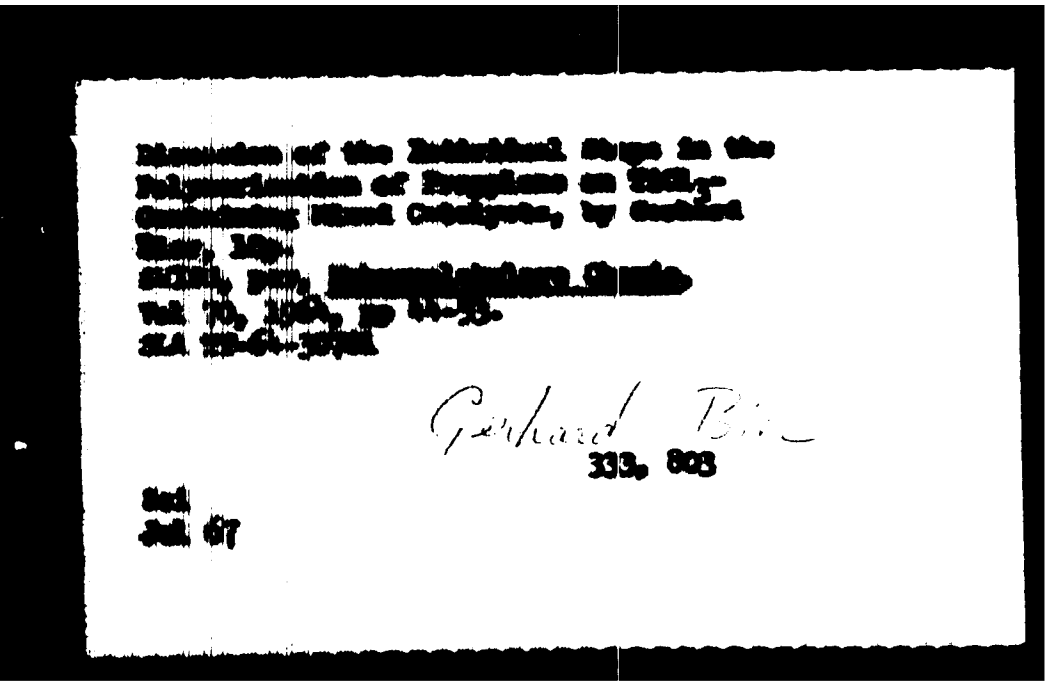

Gerhard B

339, 808

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

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Polypropylene, by Bier, Gerhard, 29 pp.

GERMAN, Fer, Kunststoffe, 1958, Vol XLVIII, No 3, pp 354-362.

SLA 59-15592
59-15005

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

Reversal of Jet Separation in Over-expanded Gas Streams, by K. Bier. GERMAN, per, Zeit fur Naturforsh, Vol 15A, 1960, pp. 714-25.
NLL Ref: 9091.9F (CA Trans 191)

K Bier

Sci-Mech
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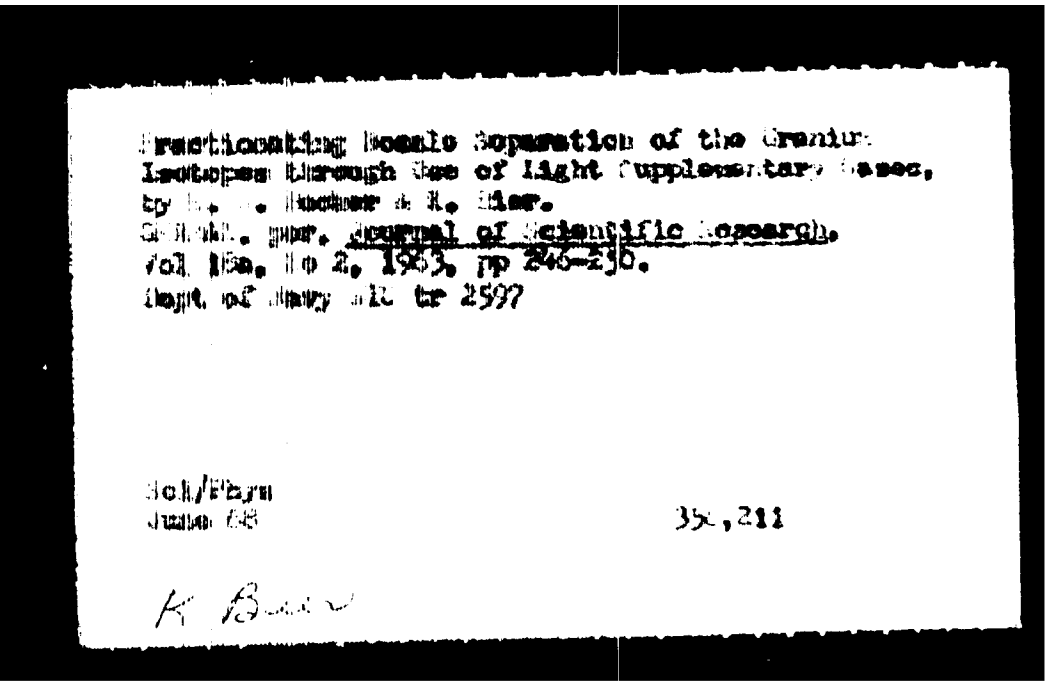

Practicability Scale Separation of the Uranium Isotopes through Use of Light Supplementary Gases, by [illegible] Luchner & K. Eder.
Geophys. Paper. Journal of Scientific Research.
Vol. IIa, No 2, 1953, pp 246-256.
Dept of Navy AIR tr 2597

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June 68

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

Relations Between Nuclear Size of Nutritive Cells and Development of Structures Containing Ribonucleic Acid in the Oocytes of Formica Rufa Rufo-Pratensis Minor, by K. Bier.
GERMAN, per, Deutsche Zoologische Ges.
Verhandlungen, 1952, pp 369-374.
NYC 69-10963-06C

K Bier

Sci-H&N
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

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Experiences With a Chemical Exchange Plant for the Enrichment of C^{13}, by E. W. Becker, K. Bier, H. et al, 12 pp.

GERMAN, per, Z. Naturforsch, Vol VIIa, 1952, pp 664-668. 98022968

AEC-Tr-5526

Sci - Phys

6 Mar 63

~~[redacted]~~ 224,209

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

K. Bier

On the Form of Compression Shocks in Freely Expanding Gas Jets, by K. Bier
GERMAN, per, Zeitschrift fuer Angewandte Physik, Vol 13, 1961, pp 493-500
ATC 71-15542-01A

Feb 72

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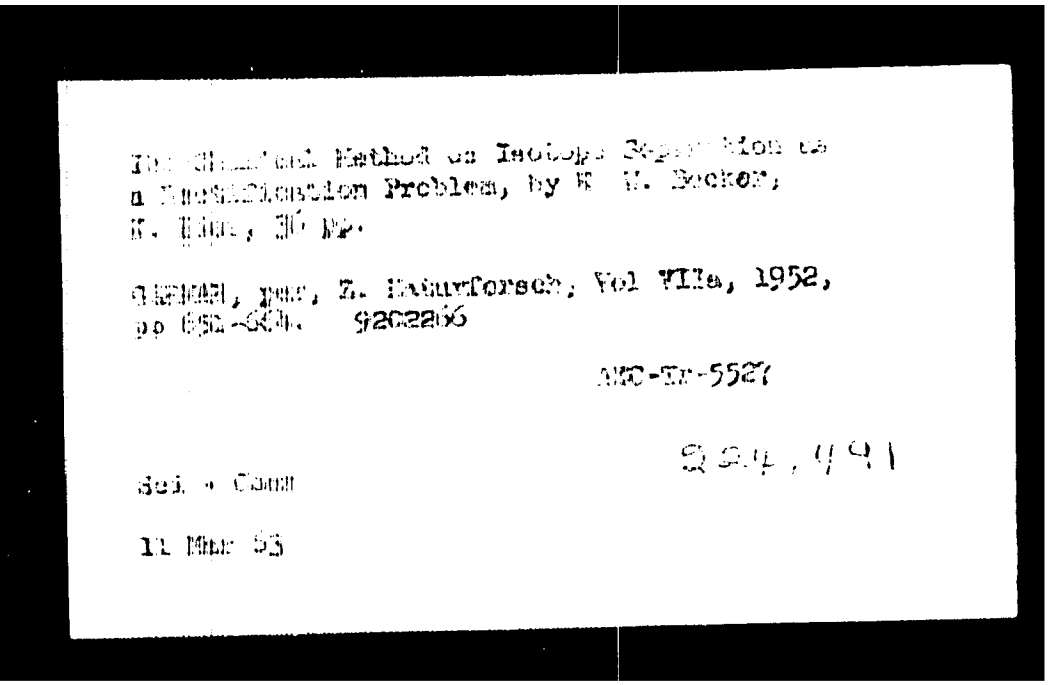

The Chemical Method as Isotope Separation as a Concentration Problem, by F. W. Becker, E. Bibo, 30 pp.

[illegible], pub., Z. Naturforsch, Vol VIIa, 1952, pp 852-860. 9202206

AEC-tr-5527

924.491

Sci - Chem

11 Mar 53

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

Beam From Condensed Atoms and Molecules [illegible]
Vernon, W. H. Zinn, H. Ziegler, "[illegible]"

Geneva, pgm. Peaceful Uses of Atomic Energy, Vol 7, pp 338-339. 9993605

AEC Tr-4758

Sci - Phys
Dec 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

Optimum Conditions for the Enrichment of Heavy Water in Hot-Cold Columns. Part II. The Enrichin System, the Stripping System and the Transfer Column, by K. Bier,

GERMAN, per, Chem Ing-Tech, Vol XXXI, No 1, 195 pp 22-30.

AEC NP-Tr-400

Sci - Nuc Phys

May 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

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The Separation Nozzle. II. The Physical [illegible] The Specific Magnitudes of the Expenditure [illegible] Process, by [illegible] W. Bier[illegible], H. Burghoff, W. Zigan, 31 pp.

GERMAN, pub., Z. Naturforsch, Vol XIIa, 1957, pp 609-621.

AEC tr-3039

Sol -
Jan 60

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The Production of Intense Partially Monochromatic Hydrogen Molecular Beams With a Laval Nozzle, by E. W. Becker, K. Bier, 23 pp.

(GERMAN, per, Zeit Naturforsch, Vol IXa, 1954, pp 975-986.

AEC TR 2500

Sci - Physics

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Jul 1956

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Separation of Uranium Isotopes with a Separting Nozzle With the Use of Light Addition Gases, by E. W. Becker, K. Bier, et al, 13 pp.

GERMAN, per, Zeit. Naturforsch, Vol XVIIIa, 1963, pp 246-250.

AEC-tr-5974

Sci-Nucl Sci
Nov 63

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Optimum Conditions for the Enrichment of Heavy Water in Hot-Cold [redacted] Columns, by K. Bier, 26 pp.

GERMAN, per, Chem Ing Tech, Vol XXVIII, No 10, 1956, pp 625-688.

SLA 57-2975
(Aec Tr 2887)

Bci

Aug 58

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Isotope Separation and Enrichment, by K. Bier, W. Fischer, et al, 8 pp.

GERMAN,per, Chem Ingenieur Tech., Vol XXXIV, 1962, pp 580.

AEC-tr-5986

Sci-Engr
Nov 63

241 364

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Form of Compression Shocks in Freely Expanding Gas Jets, by Konrad Bier, Berndt Schmidt, 24 pp.

GERMAN, per, Z fuer Angew Phys, Vol XIII, No 11, 1961, pp 493-500. 9089613

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The Interference Measuring Equipment up to 30 Mc,
by M. Bier, W. Fleischhauer, 11 pp.

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GERMAN, bk, Die 400 Kv-Forschungsanlage Rheinsu-I,
1955. (part of USSR).

SLA 57-142

Sci
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The Mechanism of Roffo's Neutral Red Test, by Otto Bier, 5 pp.

per,
PORTUGUESE, SPANISH, Brasil Medico, Vol XLI XLV, No 3, 1931, pp 52-53.

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Medical Service Problems in the Navy, by Captain Bierbaum, 7 pp. UNCLASSIFIED

GERMAN, rpt, Encl to Ser No 135-59, US NA, Bonn, Apr 1959.

Dept of Navy/CNI 5070737

WE - Germany
Mil
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The Development of the Slurry-Settling Process and its Significance in the Processing of Iron Ores, by Ernst Bierbrauer, 40pp.

GERMANY, per, Archiv für das Eisenhuttenwesen, Vol XXI, 1950, pp 273-282.

S.L.A. Tr 45

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EEur - Germany
Scientific - Minerals/Metals

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

The Breaking Strength of Cast Iron, by Georg Bierett, 17 pp.

GERMAN, per, Archiv ~~fur das~~ Eisenhuttenwesen, Vol X, No 4, Oct 1936, pp 165-169. 94,389

S.L.A. No 164/1956

Scientific -- Minerals/metals

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

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Radar of Polar Aurorae, by Ya. G. Bierfeld, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 12, 1960, pp 1871-1882.

AGU

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Jun 61

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Lockpicking Techniques, 42 pp. SECRET

GERMAN, rpts, Josef Bierhaus Schluesseln-Schlosser Aufsperr-Dienst, Wien 17., Zeiss-Ikon Akt.-Ges. Gorz-Werk, Berlin-Zehlendorf.

FDD/J-85/64

Sci - Soc
Feb 64

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Relation between Temperature and Light and the Yield of [redacted] Vegetables in Greenhouses, by J. Biernacki.

FRENCH, pub. Mededelingen Directeur van de Tuinbouw, Vol XXIII, No 21, 1960, pp 832-838.

CSIRO/Sc 5817

Sci-Agri
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Effect of Sodium Hexametaphosphate on the Oxidation of Ascorbic Acid, ~~xxxx~~ by O. Barnabei, C. Bieri, 3 pp.

ITALIAN, per, Boll Soc Ital Biol Sper, Vol XXVI, 1950, pp 870, 871.

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Sci - Chemistry
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IAC INTERNAL USE ONLY

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The Improvement and Present Capability of the Double Focusing Mass-Spectrograph, by R. Bieri, F. Everling, J. Mattauch, 17 pp.

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AEC-tr-5314

Sci - Engr

Jan 63

List 74

218.8:7

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A Contribution to the Theory of Sound Records: The Reproducing Process, by R. Bierl, 43 pp.

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S.L.A. Tr 57-322

Sci - Physics
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ABOUT THE TRUE FREQUENCY-RESPONSE IN RECORDING AND REPRODUCTION OF SOUND IN MAGNETIC TAPE RECORDING. [1962] 10p. 6 refs.
Order from: SLA $3.00 62-18694

Trans. of Fernschrift für Angewandte Physik (West Germany) 1951, v. 3, no. 5, p. 161-165.

DESCRIPTORS: Frequency, Sound, *Magnetic recording systems, Integrators, Measurement, Integral equations, *Magnetic tape, *Sound reproduction systems.

From the consideration of the distribution of magnetic reluctances in record and reproduce heads follow an inverse logarithmic, hyperbolic respectively, flux-distributions. The cut-off of the record head gap function is compensated by a frequency-proportional frequency (Engineering--Electronic, TT, v. 9, no. 10)

62-18694

I. Bierl, R.

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NIH 9-13

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L. Biermann

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mar 72

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L. Biermann

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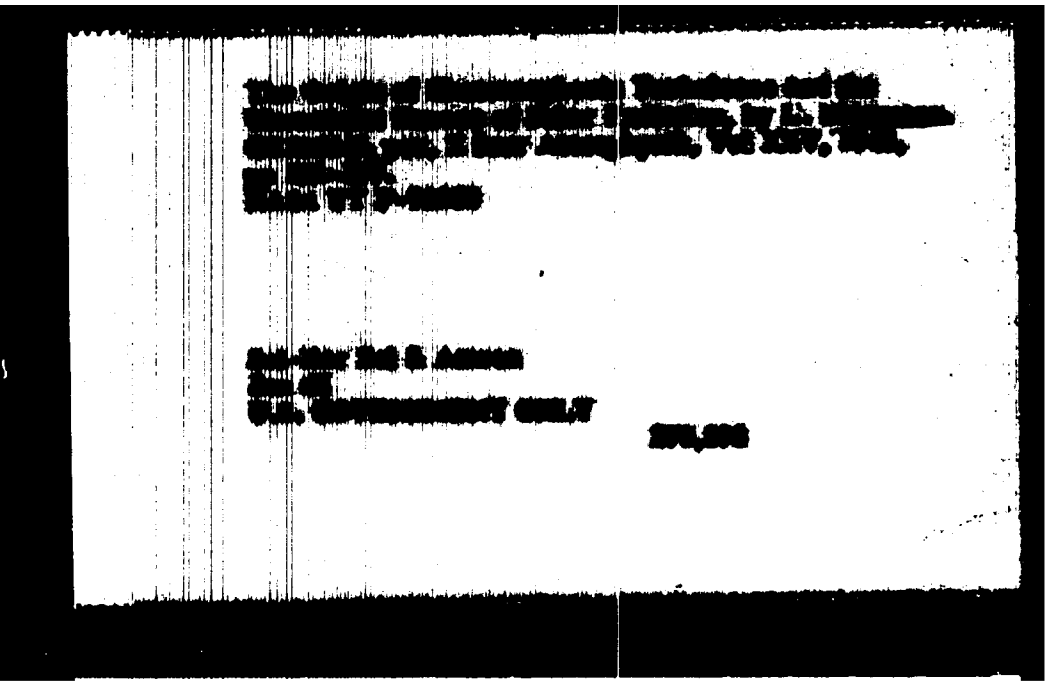

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COMET TAILS AND SOLAR CORPUSCULAR RADIATION. 21p. 17 refs.
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(Astronomy-Astrophysics, TT, v. 5, no. 9)

61-10667

1. Sun—Radiation
2. Comets—Theory
3. Title: Corpuscular radiation
1. Biermann, L

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NASA TT F-8088

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STUDY OF THE INTERPLANETARY MEDIA BY MEANS OF THE ARTIFICIAL IONIZED CLOUDS (Zur Untersuchung des Interplanetaren Mediums mit Hilfe Künstlich Eingebrachter Ionenwolken). [1962] [15]p. 18 refs.
Order from SLA $1.60 62-20168

Trans. of Zeitschrift für Astrophysik (Germany) 1961, v. 53, no. 4, p. 226-236.

DESCRIPTORS: *Interstellar matter, *Ionization, *Clouds, Carbon compounds, Monoxides, Calcium, Barium, Strontium, Interference, Thermal diffusion, Solar spectrum, Solar radiation, Photographic plates, *Space probes.

The minimum mass necessary for producing an ionized cloud which can be detected and photographed for a sufficiently long time against the night sky has (Astronomy--Astrophysics, TT, v. 9, no. 11) (over)

62-20168

I. Biermann, L.
II. Lüst, R.

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201040021-8

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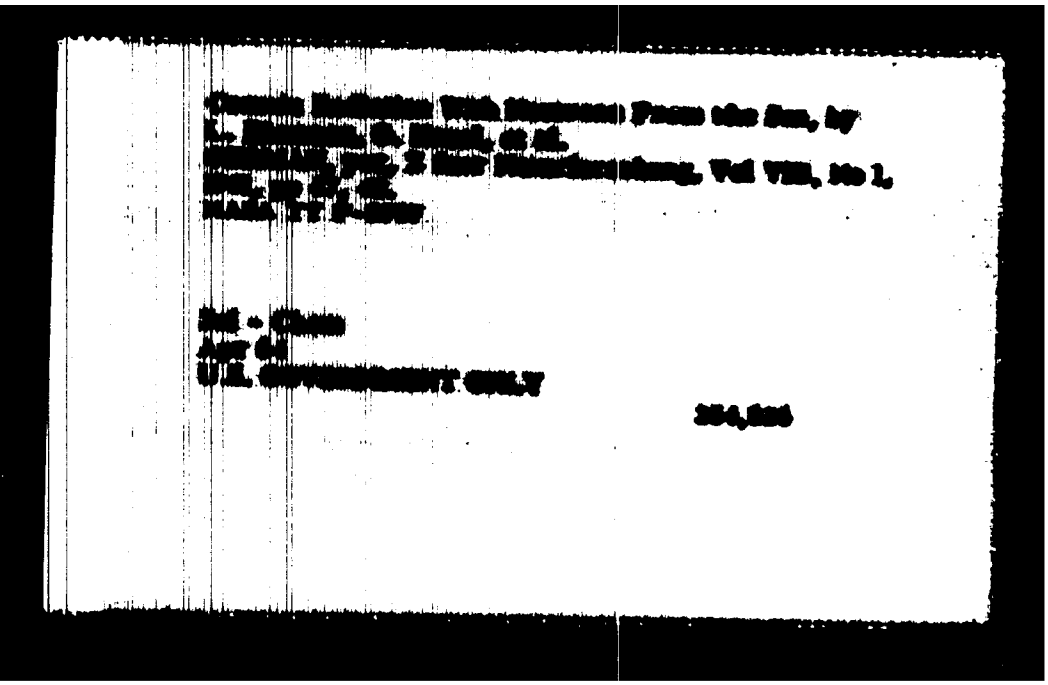

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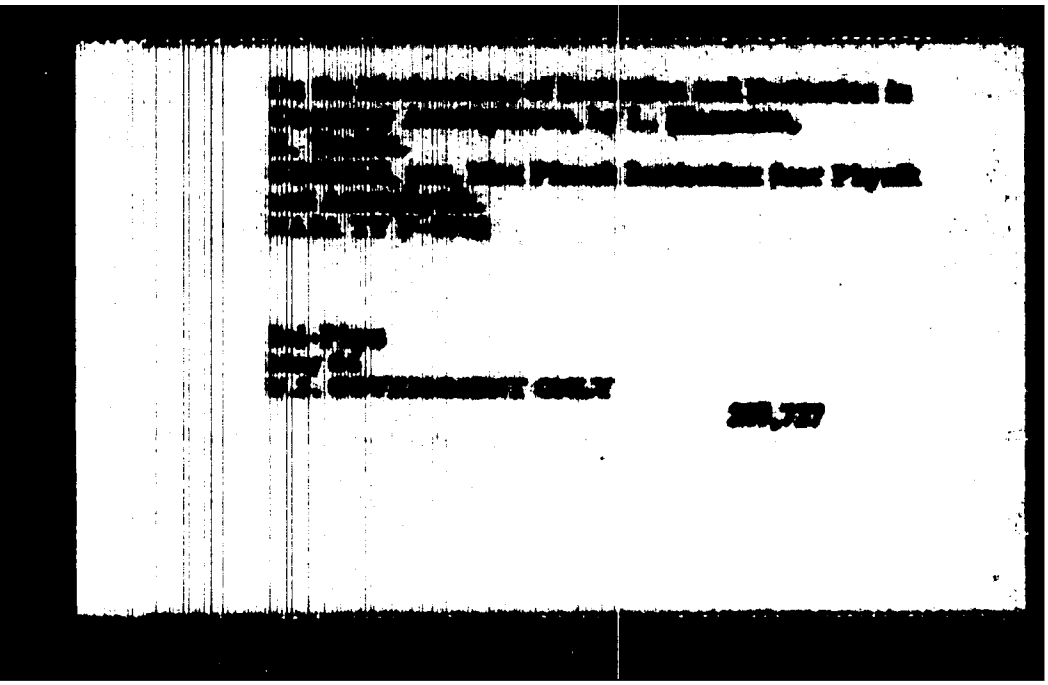

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CIA X-6872

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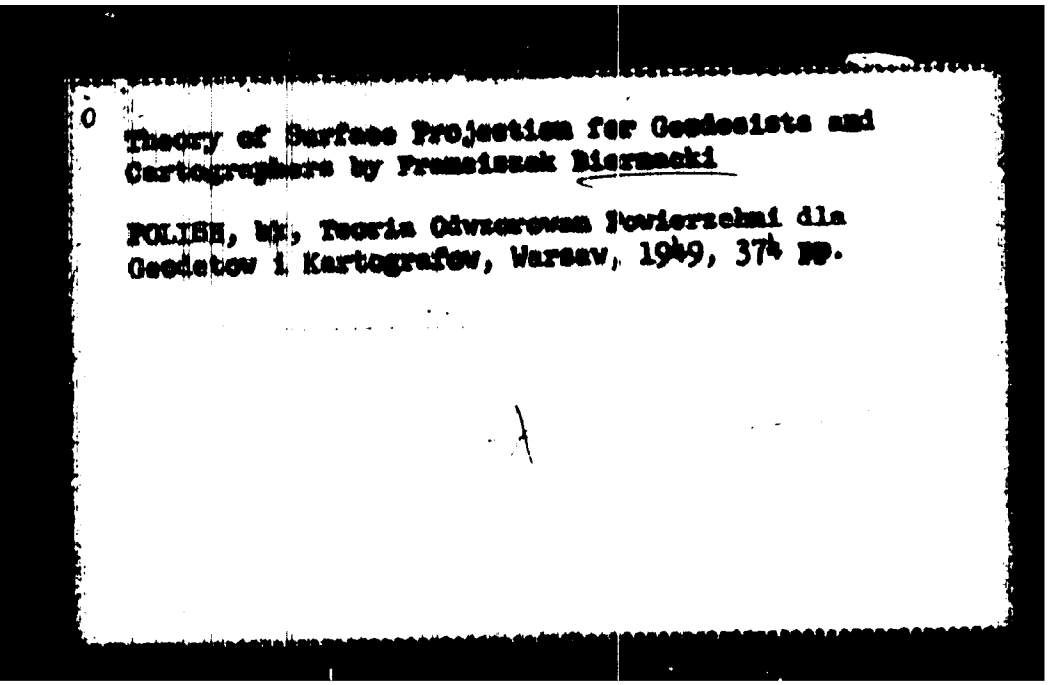

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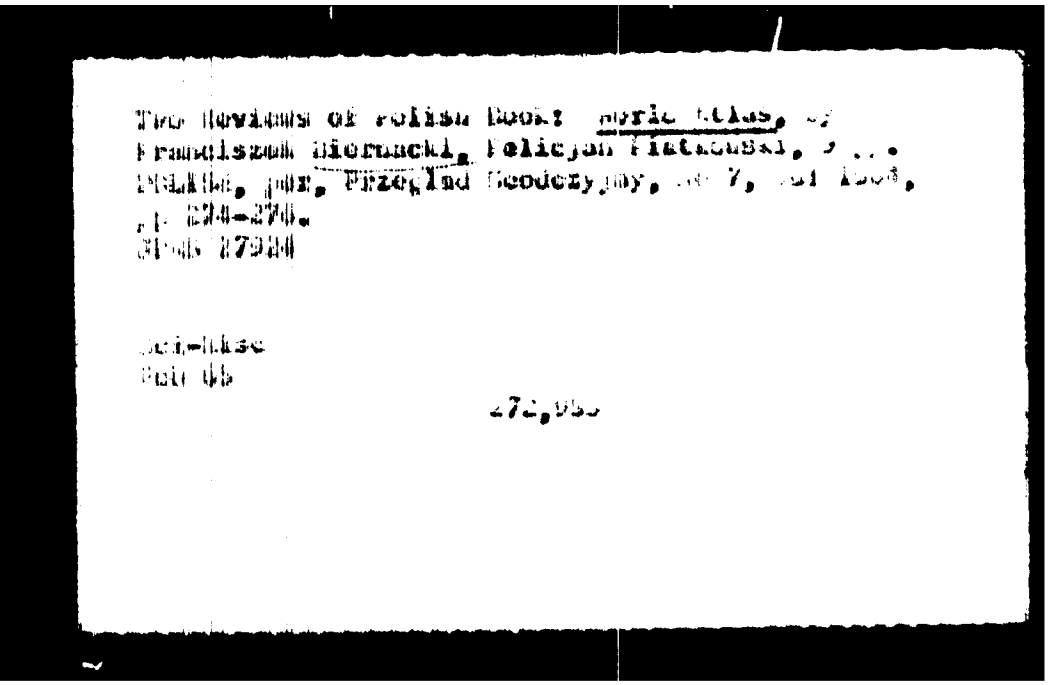

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Polski, pdr, Przeglad Geodezyjny, no 7, Jul 1955,
pp 274-276.
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NKur - Poland
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HTC 71-14323-07D

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JPRS 14400

EEUR - GERMANY
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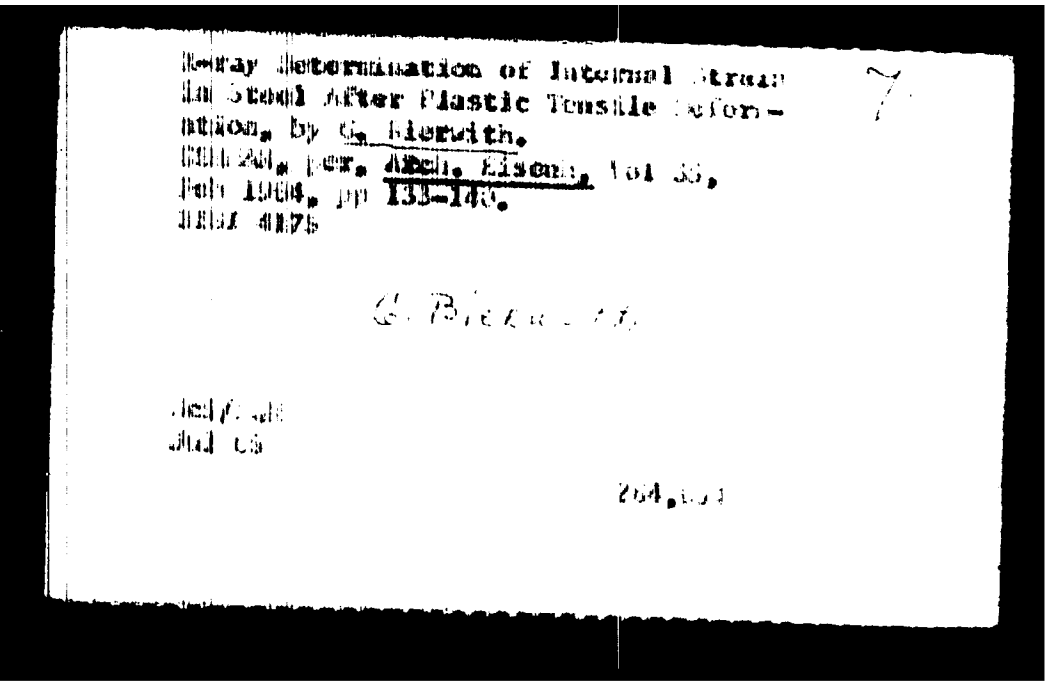

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[illegible], Ser. Arch. Eisenh., Vol 35,
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DMIC 4175

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[illegible]
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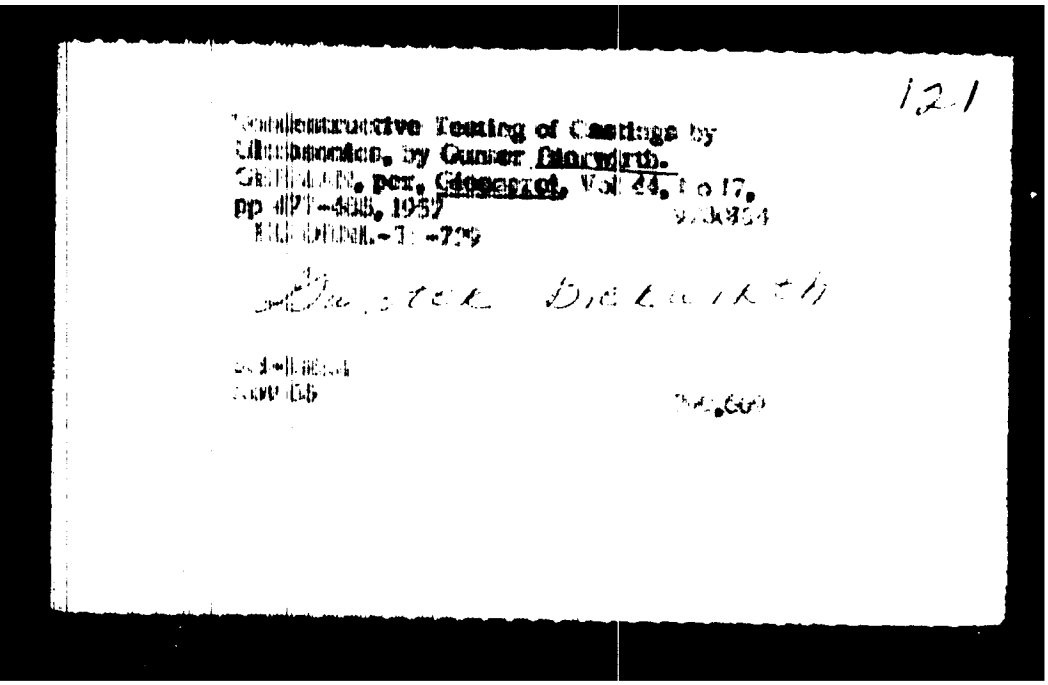

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Nondestructive Testing of Castings by Ultrasonics, by Gunar Blumrath. Giesserei, per, Giesserei, Vol 44, No 17, pp 497-498, 1957

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BISI 1853

Sci - Engr

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Possibilities of Phosgene-Removal in the Thermal Decomposition of Carbon Tetrachloride, by E. Bienalski, 11 pp.

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Treatment of Rhinitis of Early Childhood. Thermoelectric Studies on Decongestant Nasal Drugs, by P. Biesalski, K, Marquardt, 14 pp.

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NIH 12-38

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Jan 60

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RSIC-636

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NSIC-637

F. Biesel

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[redacted] 1954 Objectives in the Textile Industry, by [redacted], 6 pp; (b) Possible Use of Plastics, [redacted] Porcelain, Artificial Leather, etc., in [redacted] Mills, by Kurt Kuhne, 10 pp; (e) A New Synthetic Fiber, 1 p.

[redacted], Textil und Faserstoff Technik, Jan 1954, [redacted], Encl to ATI-337-54.

AF 61(613)

[redacted] Germany

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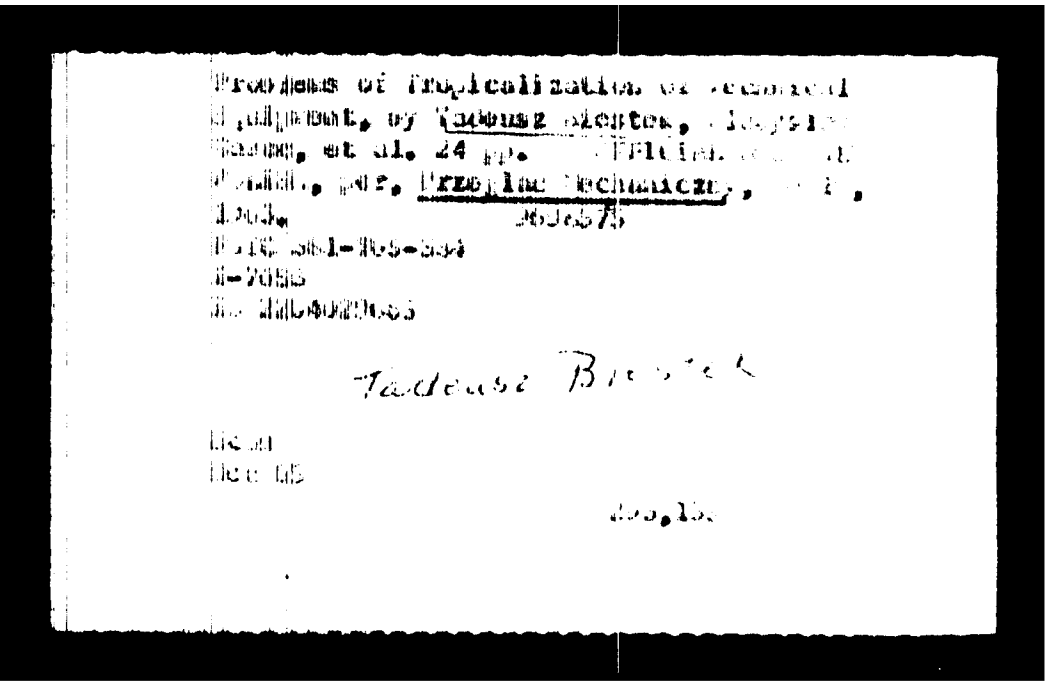

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[illegible], by Tadeusz Olenko, [illegible]
Brown, et al. 24 pp. Fluid[illegible]
Polish, ref. Przegląd Techniczny, [illegible],
1966.
[illegible]
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[illegible]
[illegible]

Tadeusz Brown

[illegible]
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SLA 58-394

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Bietti, G. B. and Cima, V.
EXPERIMENTAL INVESTIGATIONS ON THE ROLE OF HYPOPHYSIS IN RISE OF EYE PRESSURE PRODUCED BY DOSES OF NICOTINE AND WATER.
[1962] 9p.
Order from K-H $11.25 K-H 3381-a

Trans. of Klin[ische] Monatsblätter für Augenheilkunde (West Germany) 1956, v. 124, p. 386-392.

DESCRIPTORS: *Eye, *Pressure, Dosage, *Nicotine, *Water, *Pituitary gland, Physiology.

(Biological Sciences--Pathology, TT, v. 8, no. 6)

62-17816

I. Bietti, G. B.
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III. K-H-3381-a
IV. Kresge-Hooker Science Library Associates, Detroit, Mich.

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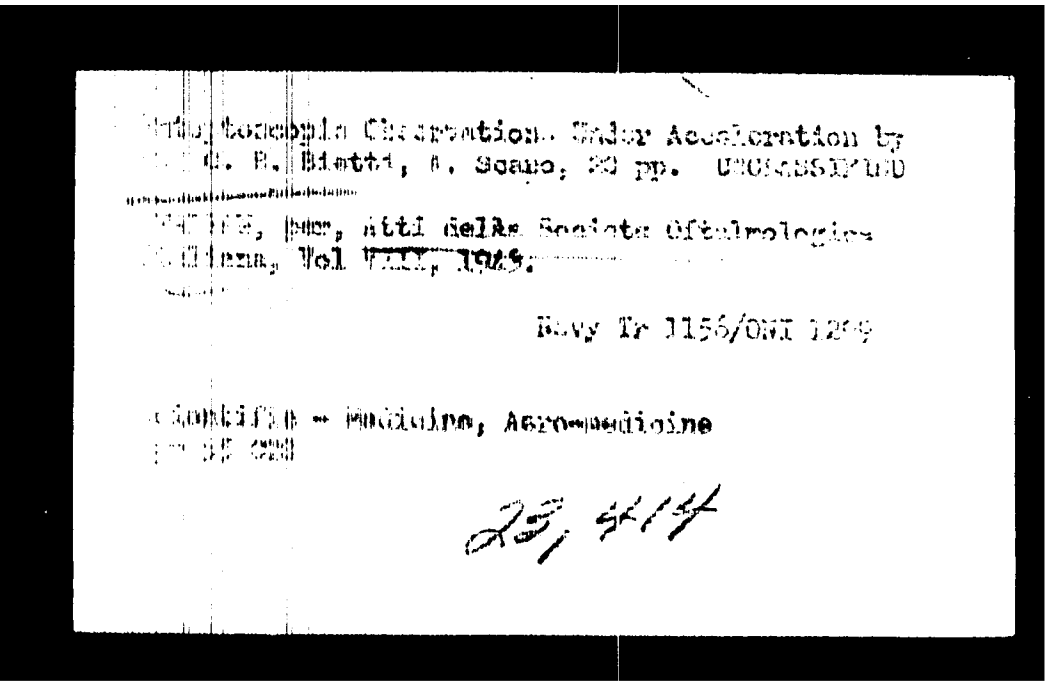

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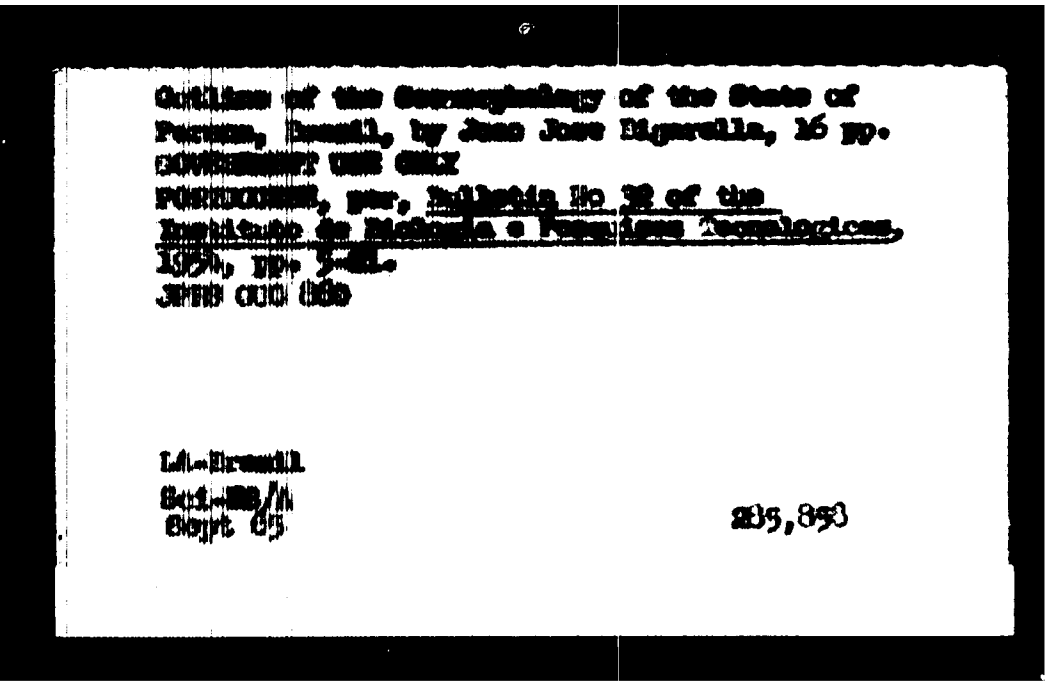

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